



Supplementary Materials

Table S1. Mandibular measurements.

Table S2. Amount of bone around the right implant on the buccal and lingual sides at the platform, middle, and apical levels.

Table S3. Amount of bone around the middle implant on the buccal and lingual sides at the platform, middle and apical levels

Table S4. Amount of bone around the left implant on the buccal and lingual sides at the platform, middle and apical levels

Table S1. Mandibular measurements.

Variable	Mean	SD	Min	Q1	Median	Q3	Max
Inter canine distance (mm)	19.99	3.554	11.51	17.53	20.24	22.38	28.25
Inter molar distance (mm)	40.74	4.067	20.50	38.48	41.54	43.68	47.76
Mandibular volume (mm ³)	15668	4504.2	4817.5	12465	15048	18920	27871
Assessment of right site (mm)							
Total bone height	22.42	5.309	4.37	19.75	23.20	25.68	32.50
Bone thickness at implant platform	8.30	1.522	4.21	7.50	8.15	9.25	11.98
Bone thickness at implant middle	9.47	1.810	4.75	8.54	9.38	10.75	14.52
Bone thickness at implant apex	10.41	2.327	5.00	9.02	10.56	11.58	21.00
Assessment of midsagittal site (mm)							
Total bone height	23.25	4.891	4.10	20.53	23.24	26.56	34.53
Bone thickness at implant platform	7.97	1.481	3.88	7.00	7.76	8.75	11.97
Bone thickness at implant middle	11.94	1.812	5.27	10.77	12.01	13.26	15.51
Bone thickness at implant apex	12.81	2.556	5.79	11.05	12.77	14.34	20.00
Assessment of left site (mm)							
Total bone height	22.47	5.200	6.25	19.81	23.00	26.16	32.52
Bone thickness at implant platform	8.12	1.629	4.27	7.25	8.00	9.00	13.00
Bone thickness at implant middle	9.23	1.877	4.50	8.26	9.25	10.30	18.25
Bone thickness at implant apex	9.89	2.091	5.35	8.53	10.03	11.04	18.50

Table S2. Amount of bone around the right implant on the buccal and lingual sides at the platform, middle, and apical levels.

Bone thickness (mm)	Buccal side			Lingual side		
	Platform level	Middle level	Apical level	Platform level	Middle level	Apical level
<0, N (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
≥ 0 and <1, N (%)	29 (34.1)	9 (10.6)	4 (4.7)	17 (20.0)	6 (7.1)	7 (8.2)
≥ 1, N (%)	56 (65.9)	76 (89.4)	81 (95.3)	68 (80.0)	79 (92.9)	78 (91.8)
Mean	1.46	2.09	2.98	1.99	2.53	2.64
SD	0.93	1.01	1.42	1.10	1.10	1.48
Min	0.0	0.0	0.0	0.0	0.0	0.0
Max	4.0	4.6	8.3	4.5	5.6	7.8

Abbreviations: SD, standard deviation

Table S3. Amount of bone around the middle implant on the buccal and lingual sides at the platform, middle and apical levels

Bone thickness (mm)	Buccal side			Lingual side		
	Platform level	Middle level	Apical level	Platform level	Middle level	Apical level
<0, N (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
≥ 0 and <1, N (%)	33 (38.8)	4 (4.7)	4 (4.7)	25 (29.4)	0 (0.0)	2 (2.4)
≥ 1, N (%)	52 (61.2)	81 (95.3)	81 (95.3)	60 (70.6)	85 (100.0)	83 (97.6)
Mean	1.31	2.31	3.41	1.71	4.83	4.63
SD	0.80	1.06	1.48	1.24	1.40	1.95
Min	0.0	0.0	0.0	0.0	1.5	0.0
Max	4.4	4.6	8.0	5.8	8.5	8.9

Abbreviations: SD, standard deviation

Table S4. Amount of bone around the left implant on the buccal and lingual sides at the platform, middle and apical levels

Bone thickness (mm)	Buccal side			Lingual side		
	Platform level	Middle level	Apical level	Platform level	Middle level	Apical level
<0, N (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	1 (1.2)	0 (0.0)
≥ 0 and <1, N (%)	9 (10.6)	5 (5.9)	10 (11.8)	39 (45.9)	11 (12.9)	12 (14.1)
≥ 1, N (%)	76 (89.4)	80 (94.1)	75 (88.2)	46 (54.1)	73 (85.9)	73 (85.9)
Mean	2.14	2.42	2.98	1.15	1.96	2.08
SD	1.20	1.09	1.56	1.08	1.17	1.04
Min	0.0	0.0	0.0	0.0	1.0	0.0
Max	5.9	6.0	8.0	6.8	7.3	5.5

Abbreviations: SD, standard deviation